

AMENDMENTS TO THE CLAIMS

Please amend the claims of the above-identified application as follows:

Claim 1 (currently amended): Apparatus of a power driven wheelchair powered by a battery for displaying operational parameters [~~thereof~~] of said battery, said apparatus comprising:

a programmed controller operative to monitor a plurality of operational parameters of said wheelchair battery;

a joystick unit coupled to said programmed controller; and

a display screen integral to said joystick unit, wherein said programmed controller being operative to interact with said joystick unit to display a user selected battery operational parameter of said plurality on said display screen of said joystick unit.

Claim 2 (currently amended): The apparatus of claim 1 wherein the joystick unit is operative to accommodate user selection of [~~an~~] a battery operational parameter of the plurality and to communicate the user selection to the programmed controller.

First Claim 3 (currently amended): The apparatus of claim 2 including a memory coupled to said programmed controller for storing data representative of the monitored battery operational parameters; and wherein the programmed controller is operative in response to the user selection from the joystick unit to access data representative of said user selected battery operational parameter from said memory and to communicate said accessed data to the joystick unit for display on the display screen.

Second Claim 3 (cancelled):

Claim 4 (currently amended): The apparatus of claim 2 wherein the joystick unit comprises a joystick operable by a user to a predetermined position to select [~~an~~] a battery operational parameter for display on the display screen of the joystick unit.

Claim 5 (currently amended): The apparatus of claim 4 wherein the joystick unit is operative in response to movement of the joystick to said predetermined position to communicate a second

signal to the programmed controller; and wherein the programmed controller being responsive to the second signal to communicate to the joystick unit data representative of a next battery operational parameter in a predetermined sequence of battery operational parameters for display on the display screen of the joystick unit.

Claim 6 (original): The apparatus of claim 5 wherein the programmed controller is responsive to the second signal when in a display select mode.

Claim 7 (currently amended): The apparatus of claim 5 wherein the programmed controller continues to communicate to the joystick unit data representative of the next battery operational parameter of the sequence at a predetermined rate in response to the second signal.

Claim 8 (currently amended): The apparatus of claim 1 wherein the user selected battery operational parameter of the plurality is displayed on the display screen of the joystick unit in parametric units.

Claim 9 (currently amended): The apparatus of claim 1 wherein the display screen is operative to display images in a split screen format; and wherein the user selected battery operational parameter is displayed in [~~a predetermined~~] one region of the split display screen.

Claim 10 (currently amended): The apparatus of claim 9 wherein [~~the predetermined~~] a battery discharge indicator is displayed in the other region [~~comprises two lines~~] of the split display screen.

Claim 11 (original): The apparatus of claim 1 including a serial communication cable for coupling the joystick unit to the programmed controller to accommodate serial data communication therebetween.

Claim 12 (original): The apparatus of claim 1 wherein the programmed controller comprises a microcontroller.

Claim 13 (currently amended): Method of displaying operational parameters of a battery that powers a power driven wheelchair on a display screen integral to a joystick unit of said wheelchair, said method comprising the steps of:

monitoring a plurality of operational parameters of said wheelchair battery by a programmed controller;

coupling the joystick unit to said programmed controller;

utilizing said joystick unit to select ~~an~~ a battery operational parameter of said plurality;

and

operating said programmed controller to interact with said joystick unit to display said selected battery operational parameter of said plurality on said display screen of said joystick unit.

Claim 14 (currently amended): The method of claim 13 including the steps of:

storing data representative of the monitored battery operational parameters in a memory coupled to the programmed controller;

communicating a selection signal from the joystick unit to the programmed controller;

and

operating the programmed controller to respond to the selection signal to access data representative of the selected battery operational parameter from said memory and to communicate said accessed data to the joystick unit for display on the display screen.

Claim 15 (original): The method of claim 13 including operating the programmed controller to respond to an activation signal to enter a display select mode of operation.

Claim 16 (currently amended): The method of claim 13 including operating a joystick of the joystick unit to a predetermined position to select ~~an~~ a battery operational parameter for display on the display screen of the joystick unit.

Claim 17 (currently amended): The method of claim 16 including the steps of: operating the joystick unit to communicate a selection signal to the programmed controller in response to movement of the joystick to the predetermined position; and operating the programmed controller to respond to the selection signal to communicate to the joystick unit data

representative of a next battery operational parameter in a predetermined sequence of battery operational parameters for display on the display screen of the joystick unit.

Claim 18 (original): The method of claim 17 including operating the programmed controller to respond to the selection signal when in a display select mode.

Claim 19 (currently amended): The method of claim 17 including operating the programmed controller to continue to communicate to the joystick unit data representative of the next battery operational parameter of the sequence at a predetermined rate in response to the selection signal.

Claim 20 (currently amended): The method of claim 13 including displaying the selected battery operational parameter on the display screen of the joystick unit in [~~parametric units~~] one region of a split screen format.